

Potassium Cyanate

KOCN

PRODUCT INFORMATION

Appearance: white powder

CAS-No.: 590-28-3

Molecular weight: 81,12 g/mol

Commercial Product Name and Commercial Form:

Potassium Cyanate KC 85 minimum content 85 %
max. 15 % Potassium Carbonate

Potassium Cyanate KC 98 content approx. 97-98 %
approx. 2-3 % Potassium Carbonate

Physical and Chemical Properties:

Melting point 315 °C
decomposition 700 – 900 °C

Bulkdensity: KC 85 1100 kg/m³
 KC 98 800 kg/m³

Solubility: approx. 75 g KOCN / 100 g H₂O (25 °C)
In aqueous solution the product tends to
hydrolyze to Potassium Carbonate,
specially at pH < 7,0

Application:

The product is used as a basic raw material for various organic syntheses, for example, Urea derivatives, Semicarbazides, Carbamates and Isocyanates. Potassium Cyanate 85 is also used for metal heat treatment products

Handling/Storage:

Product should be kept tightly closed in dry and cool storage facilities. Potassium Cyanate should not be stored together with organic or inorganic acids to avoid hydrolysis. Under normal storage conditions shelf life is about one year.

Delivery Form: Potassium Cyanate 98: Paper bags with PE Inliner, content 25 kg net
Potassium Cyanate 85: Bulk bags, 1000 kg net

Reference on Hazards: No Dangerous good; Xn (harmful)
Please refer to our Safety Data Sheet.

Statistical Product number: 2838 0000

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